



16/C
B. White
3-15-94
(NE)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of **BOX A** : **RESPONSE UNDER 37. CFR 1.116**
Edwin SOUTHERN : **EXPEDITED PROCEDURE**
: **EXAMINING GROUP 1807**

Serial No. 07/695,682 Group Art Unit 1807

Filed May 3, 1991 MAR 14 1994 Examiner A. Marschel

ANALYZING POLYNUCLEOTIDE SEQUENCES GROUP 1800

THE COMMISSIONER IS AUTHORIZED TO CHARGE ANY DEFICIENCY IN THE FEE FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975.

RESPONSE TO FINAL REJECTION

Honorable Commissioner of Patents and Trademarks,
Washington, D.C. 20231

Sir:

In response to the Final Rejection dated October 19, 1993, the period for response having been extended for 2 months by the attached Petition, please amend the present application as follows:

IN THE CLAIMS

Claims 1, 2, 8 and 9, cancel without prejudice to the subject matter thereof and add the following claims in their place.

--25. An apparatus for analyzing a polynucleotide, comprising a support and attached to a surface of said support, oligonucleotides of defined sequence and of different lengths or sequences, said oligonucleotides of different lengths or sequences being capable of taking part in hybridization reactions, said oligonucleotides of different lengths or sequences being attached to different locations on the surface of said support.

26. A method of analyzing a polynucleotide by the use of a support to the surface of which are attached oligonucleotides of defined sequence, said oligonucleotides being capable of taking part in hybridization reactions, said oligonucleotides being attached to different locations on the surface of said support, which method comprises applying the

TO 18X
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DO NOT ENTER
AM 3-24-94